E-LI Blue 150Ah

EURONET E-LI BLUE BATTERY – 12.8V 150Ah

12.8V LiFePO4 Battery Module | Built-in Intelligent BMS



NOMINAL VOLTAGE	CAPACITY
12.8V	150Ah
ENERGY	**MAX DISCHARGE**
1.92kWh	100A
CYCLE LIFE	**DESIGN LIFE**
6000 @ 80% DoD	>10 years

OVERVIEW

The EURONET E-LI Blue 150Ah is a 12.8V lithium iron phosphate (LiFePO4) battery module storing 1.92kWh (1920Wh), designed for solar energy storage, UPS, portable devices and backup power. LiFePO4 prismatic cells in an aluminium shell are managed by a built-in intelligent BMS that monitors voltage, current and temperature with passive cell balancing. It delivers up to 100A maximum discharge (50A recommended) and charges at 14.0V–14.4V using CC-CV. It offers extended runtime over the 100Ah model. With over 6000 cycles at 80% DoD and a design life exceeding 10 years, it is a maintenance-free drop-in replacement for traditional lead-acid batteries.

KEY FEATURES

100% LiFePO4 Cells
Prismatic LiFePO4 cells in an aluminium shell for high energy density, low resistance and long service life

Built-in Intelligent BMS
Monitors voltage, current and temperature throughout operation, with passive cell balancing at 200mA

1.92kWh Energy Storage
1920Wh capacity with 100A maximum discharge for longer UPS runtime and mid-size backup loads

Wide Temperature Range
Discharge rated from -20°C to +55°C and charge rated from 0°C to +50°C for reliable year-round operation

High Capacity Efficiency
≥99.5% capacity efficiency, with CC-CV charging at 14.0V–14.4V and a 10.8V discharge cut-off voltage

Maintenance-Free Operation
Over 6000 cycles at 80% DoD and a design life of more than 10 years, with no scheduled maintenance

TECHNICAL NOTE

12.8V / 150Ah / 1920Wh. Output voltage range 10.8V–14.6V, cut-off 10.8V. Max discharge 100A (recommended 50A). Charging voltage 14.0V–14.4V, CC-CV, max charge 100A (recommended 50A). Capacity efficiency ≥99.5%. BMS: over-charge >3.85V/cell, over-discharge <2.3V/cell, passive 200mA balancing, over-current trip >500A. Weight 21.2kg, 328×172×213mm.

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E-LI Blue 150Ah

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-LI Blue 150Ah
Battery Type	Lithium iron phosphate (LiFePO4)
Cell Format	Prismatic cells · aluminium shell
Nominal Voltage	12.8V
Rated Capacity	150Ah
Rated Energy	1.92kWh (1920Wh)
Applications	Solar energy storage, UPS, portable devices and backup power
ELECTRICAL	
Output Voltage Range	10.8V–14.6V
Discharge Cut-off Voltage	10.8V
Charging Voltage	14.0V–14.4V
Charging Method	CC-CV
Max Discharge Current	100A
Recommended Discharge Current	50A
Max Charge Current	100A
Recommended Charge Current	50A
Capacity Efficiency	≥99.5%
PHYSICAL	
Weight	21.2kg
Dimensions	328×172×213mm
Maintenance	Maintenance-free drop-in lead-acid replacement

PARAMETER	SPECIFICATIONS
BMS PROTECTION	
Battery Management	Built-in intelligent BMS
Monitoring	Voltage, current and temperature
Over-charge Protection	>3.85V/cell
Over-discharge Protection	<2.3V/cell
Over-current Trip	>500A
Cell Balancing	Passive, 200mA
ENVIRONMENT	
Charge Temperature	0°C to +50°C
Discharge Temperature	-20°C to +55°C
Storage Temperature	-20°C to +50°C
Humidity	5%–95% RH
SERVICE LIFE	
Cycle Life	6000 cycles @ 80% DoD
Design Life	>10 years
CERTIFICATION	
IP Rating	Not available
Certifications	Not available

**Specifications are subject to change without prior notice.*

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